CAUTION
CHANGES IN BUOYAGE
Mariners are advised that authorities responsible for navigation are being requested to conform to maritime standards of the International Association of Lighthouse Authorities Maritime Buoyage System, Region B. Significant changes will include port hand buoys to green, black and white vertically striped buoys to red, starboard vertically striped buoys, and lateral lights from white to red or green as appropriate. Changes to aids to navigation will be announced in the Defense Mapping Agency Hydrographic/Topographic Center weekly Notice to Mariners and the U.S. Coast Guard Local Notice to Mariners.

Formerly C&GS 492, 1st Ed. Apr. 1934 C-1934-400

12241

Gum Point
Carter Creek
Blundering Pt
Cedarbush Creek
Green Point
Timberneck Creek
Poplar Creek
Islands
Carmines Islands
Cheatham Annex
King Creek
Penniman Spit
Perley Pt
Sandy Pt
Yellow Pond Creek
Perkinson Creek
Mumford Island
Stony Point
Gloucester Pt
York River Cliffs
Yorktown
Point of Rocks
Northwest Branch
Sarah Creek
Northeast Branch
Quarter Pt
Guinea Pt
Perrin River
Allens Island
West Branch
Harmon Creek
Goodwin Creek
Green Point
GUINEA NECK
GOODWIN NECK
CRAB NECK
JENKI

RESTRICTED AREA 334.270 (see note A)
PROHIBITED AREA 334.260 (see note A)
RESTRICTED AREA 334.260 (see note A)
EXPLOSIVES HANDLING BERTH 334.260 (see note A)

Nautical Miles
Yards

TIDAL INFORMATION
Heights referred to datum of soundings (MLLW)

Place	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
Tue Marshes Light	2.5	2.3	0.1	-3.0
Yorktown	2.7	2.5	0.1	-3.0
Pennings Spit	2.8	2.6	0.1	-3.0

(289)

CAUTION
FISH TRAP AREAS AND STRUCTURES
Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in fish trap areas. Such structures are not charted unless known to be permanent. Regulations to assure clear passage to and through dredged and natural channels and to established landings are prescribed by the Corps of Engineers in the Code of Federal Regulations.
Definite limits of fish trap areas have been established in some areas and those limits are shown thus. — — — —
Where definite limits have not been prescribed the location of fishing structures is restricted only by the regulations.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (Lights are white unless otherwise indicated):
AERO aeronautical; Al alternating; Bn beacon; C can; DIA diaphone; F fixed; Fl flashing; G green; Gp group; IQ interrupted quick; Iso isophase (E int); LT HO lighthouse; M nautical mile; m minutes; MICRO TR microwave tower; Mo(—) morse; Mo morse code; Nr numbered; Obsc obscured; Or oscillating; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R TR radio tower; Rtg rotating; s seconds; SEC sector; St M statute miles; VQ very quick; W white; WHIS whistle; Y yellow
Bottom characteristics:
Blds boulders; Co coral; gn grn; Oys oysters; sn soft; bk broken; G gravel; h hard; Rk rock; Sh shells; Cy clay; Gns grass; M mud; S sand; sy sticky
Miscellaneous:
AUTH authorized; Obstn obstruction; PD position doubtful; Subm submerged; ED existence doubtful; PA position approximate; Rep reported; ⚓ Anch anchorage; ⚓ Prohib prohibited; ⚓ Explos explosives; ⚓ Quar quarantine; ⚓ Fish fishing; ⚓ Spec special; ⚓ Dumping; ⚓ Cable; ⚓ Pipe; ⚓ Spoil; ⚓ Dredging; ⚓ Dredged; ⚓ Rec recreation; ⚓ Bridge; ⚓ Ferry; ⚓ Ice; ⚓ Tide; ⚓ Current; ⚓ Obstruction; ⚓ Wreck; ⚓ Rock; ⚓ Foul; ⚓ Foul area; ⚓ Foul ground; ⚓ Foul bottom; ⚓ Foul sand; ⚓ Foul mud; ⚓ Foul clay; ⚓ Foul gravel; ⚓ Foul shell; ⚓ Foul coral; ⚓ Foul weed; ⚓ Foul kelp; ⚓ Foul seaweed; ⚓ Foul eelgrass; ⚓ Foul marsh; ⚓ Foul swamp; ⚓ Foul mangrove; ⚓ Foul cypress; ⚓ Foul pine; ⚓ Foul hardwood; ⚓ Foul softwood; ⚓ Foul brush; ⚓ Foul stump; ⚓ Foul log; ⚓ Foul snag; ⚓ Foul piling; ⚓ Foul pier; ⚓ Foul wharf; ⚓ Foul bridge; ⚓ Foul dam; ⚓ Foul jetty; ⚓ Foul breakwater; ⚓ Foul seawall; ⚓ Foul bulkhead; ⚓ Foul revetment; ⚓ Foul riprap; ⚓ Foul gabion; ⚓ Foul mattress; ⚓ Foul fascine; ⚓ Foul brushwood; ⚓ Foul faggot; ⚓ Foul wattle; ⚓ Foul hurdle; ⚓ Foul fence; ⚓ Foul groin; ⚓ Foul jetty; ⚓ Foul breakwater; ⚓ Foul seawall; ⚓ Foul bulkhead; ⚓ Foul revetment; ⚓ Foul riprap; ⚓ Foul gabion; ⚓ Foul mattress; ⚓ Foul fascine; ⚓ Foul brushwood; ⚓ Foul faggot; ⚓ Foul wattle; ⚓ Foul hurdle; ⚓ Foul fence; ⚓ Foul groin
COLREGS International Regulations for Preventing Collisions at Sea, 1972

HEIGHTS
Heights in feet above Mean High Water

AUTHORITIES
Hydrography and topography by the National Ocean Service. Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 3 for important supplemental information.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are removed by other types or removed. For details, see U.S. Coast Guard Light List.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia, or at the Office of the District Engineer, Corps of Engineers in Norfolk, Virginia.
Refer to charted regulation section numbers.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility, if telephone communication is impossible (33 CFR 153).

NOTE B
Experimental equipment exists at the Virginia Institute of Marine Science, Gloucester Point, which is sensitive to swell damage. Mariners are cautioned to adjust speed accordingly.

NOTE C
The controlling depth was 5 feet on the centerline from the channel entrance to Wormley Creek, thence 4 feet on the centerline to the turning basin in West Branch. Local knowledge is advised.
June 1986

NOTE D
Numerous privately maintained buoys are not charted in Wormley Creek.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable but for most stations is usually 20 to 40 miles from the antenna site.

Norfolk, Va.	KHB-37 162.55 MHz
Heathsville, Va.	WXM-57 162.40 MHz

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.520" northward and 1.180" eastward to agree with this chart.

UNITED STATES - EAST COAST
VIRGINIA

YORK RIVER

YORKTOWN AND VICINITY

Mercator Projection
Scale 1:20,000 at Lat. 37°16'
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

LOGARITHMIC SPEED SCALE
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

Nautical Miles
Yards

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852

Mer. Ed., May 1989 ■
12241

C 55.418/7:12241/989

Formerly C&GS 492, 1st Ed. Apr. 1934 C-1934-400

SOUNDINGS IN FEET

Nautical Chart Catalog No. 1, Panel D

MOBJACK BAY

(see chart 12238)

GUINEA NECK

GUINEA MARSHES

JENKINS NECK

GOODWIN NECK

GOODWIN ISLANDS

CRAB NECK

Nautical Miles

Yards

TIDAL INFORMATION

Height referred to datum of soundings (MLLW)

Place	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
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ABBREVIATIONS For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated)

AERO (aeronautical)
Al (alternating)
Bn (beacon)
C (can)
DIA (diaphone)
F (fixed)
Fl (flashing)
G (green)
Gp (group)
Iso (isophase)
LT HO (lighthouse)
M (nautical mile)
m (minutes)
MICRO TR (microwave tower)
Mo(A) (morse)
Mo (morse code)
Nun
Obscd (obscured)
Occ (occulting)
Or (orange)
Q (quick)
R (red)
Ra Ref (radar reflector)
Ra Trans (radiobeacon)
R TR (radio tower)
Rot (rotating)
s (seconds)
SEC (sector)
SM (statute miles)
VQ (very quick)
W (white)
W#G (white and green)
Y (yellow)

Bottom characteristics

Bldr (boulders)
bk (broken)
Cy (clay)
Co (coral)
G (gravel)
Grs (grass)
gy (gray)
h (hard)
M (mud)
Oys (oysters)
Rk (rock)
S (sand)
so (soft)
Sh (shells)
sy (stony)

Miscellaneous

AUTH (authorized)
ED (existence in doubt)
PA (position approximate)
PD (position doubtful)
Rep (reported)
Subm (submerged)
Wk (wreck, rock, obstruction, or shoal swept clear to the depth indicated)
(2) (Rocks that cover and uncover, with heights in feu above datum of soundings)
COLREGS (International Regulations for Preventing Collisions at Sea, 1972)

HEIGHTS

Heights in feet above Mean High Water

AUTHORITIES

Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 3 for important supplemental information.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

During some winter months or when ice dangerous to navigation exists, aids to navigation are removed or their range reduced. For details see U.S. Coast Guard Light List.

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Impeded channels shown by broken lines are subject to shoaling, particularly at the edges.

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June 1988

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RESTRICTED AREA 334.260 (see note A)

EXPLOSIVES HANDLING BERTH 334.260 (see note A)

Mumford Islands

York River Cliffs

Yorktown

Point of Rocks

Gloucester Pt

Quarter Pt.

Sarah Creek

Northeast Branch

Northwest Branch

Perrin River

Cohoon Pt

Allens Island

Monday Creek

Big Island

Hog Island

Sandy Point

Tue Point

Green Point

Bay Tree Pt

West Branch

Wormley Creek

Back Creek

Clarke Cr

KHDRO TOWER

TANK

TALLER STACK (lighted)

CENTER OF CORING UNIT (RECTANGULAR STRUCT.) (PROMINENT AT NIGHT)

FLARE STACK TOWER (PROMINENT AT NIGHT) (OCCASIONALLY EXTINGUISHED)

COLEMAN MEMORIAL BRIDGE

MONUMENT

Nautical Miles

Yards

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

(York River, Yorktown and Vicinity)

SOUNDINGS IN FEET - SCALE 1:20,000

12241